



Complete Summary

TITLE

Management of labor: percentage of births with amnioinfusion when either of the following is present: thick meconium or repetitive severe variable decelerations or oligohydramnios.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Management of labor. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2009 May. 60 p. [138 references]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of births with amnioinfusion when either of the following is present: thick meconium or repetitive severe variable decelerations or oligohydramnios.

RATIONALE

The priority aim addressed by this measure is to increase the use of remedial techniques that resolve temporary abnormal fetal heart rate tracing in labor.

PRIMARY CLINICAL COMPONENT

Pregnancy; fetal heart rate management; amnioinfusion; thick meconium; repetitive severe variable decelerations; oligohydramnios

DENOMINATOR DESCRIPTION

Number of births having one or more of the following present: thick meconium, repetitive severe variable decelerations and/or prolonged decelerations or oligohydramnios. In the case of multiple births at a delivery, the birth event is counted once.

NUMERATOR DESCRIPTION

Number of eligible births with amnioinfusion

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Management of labor.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Hospitals

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Unspecified

TARGET POPULATION GENDER

Female (only)

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component**INCIDENCE/PREVALENCE**

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories**IOM CARE NEED**

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All births having one or more of the following present: thick meconium, repetitive severe variable decelerations and/or prolonged decelerations or oligohydramnios

Any one of several possible data collection methods may be used by the medical group to capture data for this population.

1. Data may be obtained retrospectively by a chart audit (using a minimum sample of 20 charts per month).
2. Data may be obtained through discharge abstract coding or other data base from the hospital.
3. The hospital may send the medical group a copy of the labor and delivery summary sheet.
4. A copy of the nursing checklist form is sent to the medical group for data collection.

Data are reviewed to determine if the delivery fits the inclusion criteria for the measure. If no, the birth is not reviewed. If yes, the birth data are reviewed to assess whether an amnioinfusion was performed.

These data will be collected monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of births having one or more of the following present: thick meconium, repetitive severe variable decelerations and/or prolonged decelerations or oligohydramnios. In the case of multiple births at a delivery, the birth event is counted once.

Exclusions

Unspecified

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition
Institutionalization
Therapeutic Intervention

DENOMINATOR TIME WINDOW

Time window brackets index event

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of eligible births with amnioinfusion

Exclusions

Unspecified

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Episode of care

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Percentage of births with amnioinfusion when either of the following is present: thick meconium or repetitive severe variable decelerations or oligohydramnios.

MEASURE COLLECTION

[Management of Labor Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

FUNDING SOURCE(S)

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COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE

Work Group Members: Douglas Creedon, MD (Work Group Leader) (Mayo Clinic) (OB/Gyn); Leslie Atwood, MD (Allina Medical Clinic) (Family Medicine); Lori Bates, MD (Mayo Clinic) (Family Medicine); Dana-Rae Barr, MD (Hennepin County Medical Center) (Family Medicine); Anna Levin, CNM (Park Nicollet Health Services) (Nurse Midwife); Cherida McCall, CNM (HealthPartners Medical Group) (Nurse Midwife); Ruth Wingeier, CNM (CentraCare) (Nurse Midwife); Becky Walkes, MD (Mayo Clinic) (Nursing); Dale Akkerman, MD (Park Nicollet Health Services) (OB/Gyn); Leslie Pratt, MD (Park Nicollet Health Services) (Perinatal Medicine); Linda Setterlund, MA, CPHQ (Institute for Clinical Systems Improvement) (Facilitator); Lynette Wheelock, RN, MS (Institute for Clinical Systems Improvement) (Facilitator)

FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST

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No work group members have potential conflicts of interest to disclose.

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2002 Oct

REVISION DATE

2009 May

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Management of labor. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2007 Mar. 72 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Management of labor. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2009 May. 60 p. [138 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of Births with Amnioinfusion When Either of the Following is Present: Thick Meconium or Repetitive Severe Variable Decelerations or Oligohydramnios," is published in "Health Care Guideline:

Management of Labor." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org.

NQMC STATUS

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